



MASTERColour CDM-T Evolution

MASTERColour CDM-T Evolution 70W/930 G12

Single-ended, highest-efficiency, longest-life Ceramic Metal Halide discharge lamp producing crisp white sparkling light with high color rendering

Product data

• General Characteristics

Cap-Base	G12
Bulb	T19 [T 19mm]
Bulb Finish	Clear
Operating Position	vbu/vbd60 [Vertical or Base Up/Base Down +/-60D]
Life to 5% failures EL	13000 hr
Life to 10% failures EL	15000 hr
Life to 20% failures EL	17000 hr
Life to 50% failures EL	20000 hr

• Light Technical Characteristics

Color Code	930 [CCT of 3000K]
Color Rendering Index	87 (min), 90 (nom) Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Luminous Flux Lamp EL	8800 Lm
Luminous Efficacy Lamp EL	120 Lm/W
Lumen Maintenance EL 1000h	96 %
Lumen Maintenance EL 2000h	93 %
Lumen Maintenance EL 4000h	92 %
Lumen Maintenance EL 8000h	89 %
Lumen Maintenance EL 12000h	88 %

Lumen Maintenance EL 15000h	87 %
Lumen Maintenance 20000h	85 %
Chromaticity Coordinate X	0.426 -
Chromaticity Coordinate Y	0.388 -

• Electrical Characteristics

System Power EL	80 W
Lamp Wattage	70 W
Lamp Wattage EL 25°C, Rated	73.0 W
Lamp Wattage EL 25°C, Nominal	70.0 W
Lamp Voltage	96 V
Lamp Current EL	0.76 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	15 (max) min
Dimmable	No

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	6.6 mg
Energy consumption kWh/1000h	80 kWh

• UV-related Characteristics

Damage Factor D/fc	0.3 (max) -
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MASTERColour CDM-T Evolution

PET (NIOSH) 8 (min) h500lx

Diameter D [inch] 0.79 (max) in

• Luminaire Design Requirements

Cap-Base Temperature 250 (max) C
Pinch Temperature 350 (max) C
Bulb Temperature 500 (max) C

• Product Dimensions

Reference Length A 90 (max) mm
Overall Length C 103 (max) mm
Diameter D 20 (max) mm
Light Center Length L 55 (min), 56 (nom), 57 (max) mm
Arc Length O 9 mm
Light Center Length L [inch] 2.16 (min), 2.20 (nom), 2.24 (max) in
Overall Length C [inch] 4 (max) in

• Product Data

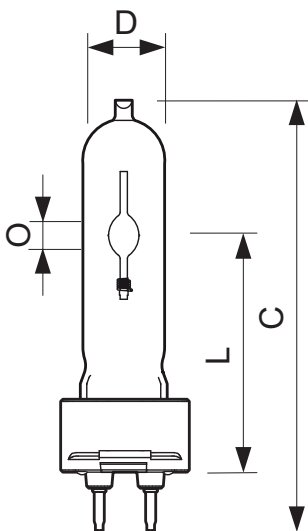
Order code 928061705131
Full product code 928061705131
Full product name MASTERColour CDM-T Evolution 70W/930 G12
Order product name MC CDM-T Evolution 70W/930 G12
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8718291713760
Bar code on outerbox - EAN3 8718291713777
Logistic code(s) - 12NC 928061705131
Net weight per piece 28.000 gr

Warnings and Safety

- Use only in a totally enclosed luminaire, even during testing (IEC61167, IEC62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Use only with electronic control gear
- The vast majority of drivers are fully compatible with CDM Evolution lamps. However, best performance is guaranteed with Philips drivers.

- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- CDM Evolution lamps are designed to comply with IEC standards
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

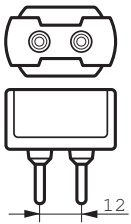
Dimensional drawing



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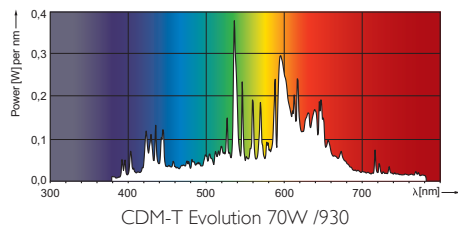
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T Evol 70W/930 G12	103	20	55	56	57	9

Dimensional drawing



G12

Photometric data



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www.philips.com/lighting

2015, July 11
data subject to change